

Gretchen Gueguen, M.L.S.

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Experience

Product Owner, Center for Open Science

June 2022 - Present

Responsible for supporting the Open Science Framework through effective and efficient management of product development activities and building and maintaining strong relationships with users and stakeholders. Works with developers and technicians to understand the use cases and workflows, manage product feedback on features, improvements, and bugs, works with new communities to build strong relationships, and launches new interfaces with stakeholders and customers.

Independent Library Contractor, Various

January 2019 – Present

Provide support and guidance for various digital library and archival projects. Clients have included Princeton University, Penn State University, the University of Cincinnati, American Libraries Association, and Pennsylvania Academic Library Consortium, Inc. (PALCI).

Adjunct Faculty, Clarion University

January 2015 – Present

Instructor of graduate level course on digital libraries. Develop syllabus, lectures, assignments, and deliver course content through the Desire2Learn online course software annually.

Interim Network Manager, Digital Public Library of America

August 2018 – November 2018

Managed member relationships for the Digital Public Library of America's Hub Network, including communication and planning with two governing councils.

- Developed overall communication and outreach plan to increase membership engagement.
- Facilitated meetings, served as liaison to 5 nascent DPLA Hubs in the process of forming.
- Continued to perform duties as Data Services Coordinator.

Data Services Coordinator, Digital Public Library of America

August 2014 – November 2018

Planned and implemented data aggregation activities with more than 40 external partners, sharing more than 30 million records, while managing overall data structure and quality strategy. Specific duties included

- Worked closely with developers and technologists to design and build systems and software to harvest, transform, analyze, and enrich metadata from partners.
- Planned and managed initiatives to increase the quality of collection content, particularly data robusticity, standardization, and interoperability.
- Served as product owner in an agile development process.
- Developed guidelines, documentation, and training for external partners.
- Convened working groups to discuss and develop solutions for DPLA metadata strategy.

- Performed quality control and data analysis on the corpus of DPLA metadata and provided feedback to a wide variety of stakeholders.
- Worked independently in a distributed team environment, utilizing multiple communication methods (chat, video, email, etc.) to work effectively with colleagues.

Digital Archivist, Albert and Shirley Small Special Collections Library, University of Virginia
May 2011 – July 2013

Head of archival activities for an ever-growing corpus of born-digital content within the holdings of the library.

- Worked with multiple staff groups including librarians, archivists, and technologists to create new standards and implement new tools.
- Developed workflow for the inventory, accessioning, and primary processing of born- digital materials from a variety of legacy media formats using both commercial and open- source tools.
- Led archival staff in planning for the integration of ArchivesSpace for archival data management through analysis of EAD and MARC metadata and standards such as ISAD- G and CIDOC CRM.

Digital Initiatives Librarian, J.Y. Joyner Library Digital Collections, East Carolina University
January 2008 – April 2011

Planned, coordinated, and established priorities for digital library initiatives at East Carolina University.

- Responsible for high-level digital collection infrastructure, metadata standards, interface usability and design, and operating procedures.
- Managed multiple projects while supervising staff, students, and volunteers.
- Led development of the library's digital collection repository, Joyner Library Digital Collections a METS-based repository utilizing DC, MODS, MIX, and PREMIS.
- Directed the development efforts for the DSpace institutional repository for East Carolina University.

Digital Collections Librarian, Digital Collections and Research, University of Maryland
June 2005 – December 2007

Provided primary support and coordination for digital projects.

- Developed and implemented digitization standards and workflows.
- Provided primary project support for multiple, cross-institution digital repository projects.
- Designed user interface and interaction for multiple repository projects.

Education

Master's in Library Science, The University of Maryland (May 2005)

Bachelor of Arts in English, The Pennsylvania State University (May 2001)

Continuing Education

- Transforming and Querying XML with XSLT and XQuery (Library Juice Academy, March 2019).
- Introduction to R for Libraries (ALCTS Webinar Series, May 9, 16, 30, 2018).
- Printed Books after 1800 (Rare Book School, June 11-17, 2012).
- FRBR Workshop with Bob Maxwell (UVa Year of Metadata Workshop, November 15, 2011).
- Computer Forensics with FRED (Digital Intelligence, August 8-9, 2011).
- Born Digital Materials: Theory and Practice (Rare Book School, July 25-29, 2011).

- LITA Web Course: Creating Library Web Services, Mashups, and APIs (November 12-19, 2010).
- Introduction to ASP.NET (Pitt County Community College, Winter 2008/2009).
- NC ECHO Grant Writing Workshop (NC ECHO, October 31, 2008).
- Data Dictionary for Preservation Metadata: PREMIS Tutorial (Library of Congress, June 21, 2007).
- Building the Human-Computer Interface (University of Maryland Graduate School, College of Information Studies, Fall 2006).

Technical Skills

- Experience with designing and implementing metadata schemas and bibliographic standards including, MARC, METS, MODS, MIX, PREMIS, TEI, EAD, Dublin Core, and VRA Core.
- Proficient in encoding and query languages and standards including XML, HTML, and CSS. Demonstrated project experience with Ruby, Python, XSLT. Familiar with PHP, Java, and C# programming languages.
- Experience with content management systems and ILS systems including Fedora, Dspace, Omeka, and Hyku/Hyrax.
- Extensive experience with OpenRefine to develop data analysis workflows and techniques.
- Thorough knowledge of the software development process and different project management methodologies.
- Experience using digital forensic software and hardware including FRED forensic workstation, Forensic Toolkit and Imager, Tableau Imager, and Norton Ghost.
- Skilled in the use of design and editing software including Adobe Photoshop, Acrobat, and InDesign
- Experience using and training others to use scanning equipment and interfaces by Epson, Microtek, PhaseOne, Silverfast, and Nikon.

Service

Library Service

- Digital Library Federation Assessment Interest Group, Metadata Working Group: January 2017 – Present.
 - Chair of the Metadata Application Clearinghouse Work Group: January – August 2018.
- DACS Principles Revision Working Group: August 2016 – March 2017.
- Terms of Use and Re-Use for Finding Aid Metadata Working Group: January – August 2016.
- Europeana Data Quality Committee: January – December 2017.
- International Council on Archives' Experts Group on Archival Description: October 2012 – August 2014.
- LITA JPEG 2000 Interest Group co-chair: June 2010 – June 2011.
- LITA 2009 National Forum Planning Committee: March 2008 – March 2010.
- Reviewer of conference paper proposals for the annual Digital Humanities Conference: December 2007 – December 2012.

Training and Educational Activities

- Co-developer of *Fundamentals of Digital Library Projects*, offered by CORE, January 2021.

- Instructor of *Fundamentals of Metadata*, offered by CORE, January-February 2019.
- Instructor of *Metadata QA* workshop for the DLF Forum, October 26, 2017.
- Instructor for the Visual Resources Association's Summer Educational Institute, June 10, 2015.
- Developed *Management of Born-Digital Special Collections* webinar for the Association of Southeastern Research Libraries, April 16, 2013.
- Co-developed and facilitated *CREW: Collecting Repositories and E-records Workshop* as part of the AIMS grant project for SAA 2011 *entitled*.
- Developed and facilitated *Digital Imaging and Scanning Workflows* workshop for the November 2007 Mid-Atlantic Regional Archives Conference.
- Developed half-day scanning workshops for UM Libraries special collections department in October 2006 and August 2007 covering properties of digital images, metrics for evaluation, and best practices for capture.
- Instructed *Introduction to XML and the TEI* workshops with Susan Schreibman for the UM Libraries August 2005 and at The Library in Bits and Bytes: A Digital Library Symposium in September 2005.

Professional Volunteer Experiences

- Library Consultant at the Erie Maritime Museum: October 2013 – August 2014.
- Web and Social Media Coordinator, Charlottesville Derby Dames: January 2012 – April 2013.
- President, Special Library Association (SLA), Student Chapter at the University of Maryland: May 2004 – May 2005; Marketing Coordinator: October 2003 – April 2004.

Selected Publications and Presentations

Articles, Book Chapters, Invited Publications

- Allison-Bunnell, Jodi, Maureen Cresci Callahan, Gretchen Gueguen, John Kunze, Krystyna K. Matusiak, and Gregory Wiedeman, "Lost Without Context: Representing Relationships between Archival Materials in the Digital Environment," in *The Lighting the Way Handbook: Case Studies, Guidelines, and Emergent Futures for Archival Discovery and Delivery*, edited by Mark A. Matienzo and Dinah Handel, 55-72. Stanford, CA: Stanford University Libraries, October 2021. <https://doi.org/10.25740/gg453cv6438>.
- Gueguen, Gretchen. "Metadata Quality at Scale: An exploration of metadata quality control at the Digital Public Library of America." *Journal of Digital Media Management* 7, no. 2 (2019):115-126.
- Gueguen, Gretchen. "Appraising and Acquiring Born-Digital Collections: An Introduction." *Journal of Digital Media Management*, 2, no. 4 (2014):337-348.
- Pitti, Daniel, Vitor Mowlac, Claire Sibille-de Grimouard, and Gretchen Gueguen. "Towards an International Conceptual Model for Archival Description." *The American Archivist*, 76, no. 2 (2013): 567-584.
- Gueguen, Gretchen. "Archive 360° Roundtable: The Practice of Data Curation." *Archive*, 3 (2013): <http://www.archivejournal.net/roundtable/data-curation-curating-the-digital-curating-the-analog/>.
- Gueguen, Gretchen. "Digitized Special Collections and Multiple User Groups." *Journal of Archival Organization*, 8, no. 2 (2010): 96-109.
- Peer-reviewed and Invited Presentations and Posters
- Gueguen, Gretchen. *CC-PLUS: Consortia Collaboration on a Platform for Library Usage Statistics* (poster). Code4Lib (Pittsburgh, PA, March 2020).

- Gueguen, Gretchen. *Consortial Hyku for Open Educational Resources*. Samvera Connect (St. Louis, MO, October 24, 2019).
- Gueguen, Gretchen. *Never-Ending Migration*. ALCTS Interest Group Meeting, ALA Annual Meeting (Chicago, IL, June 23, 2017).
- Gueguen, Gretchen. *Linked Data: Uses and Users*. Linked Pasts Symposium (Madrid, Spain, December 14, 2016).
- Altman, Audrey, Mark Breedlove, Gretchen Gueguen. *Heiðrún: DPLA's Metadata Harvesting, Mapping, and Enhancement System*. Code4Lib Conference (Portland, OR, February 11, 2015).
- Gueguen, Gretchen. *Open Transformation: A DPLA Story*. Society of American Archivists 2015 Annual Meeting (Cleveland, OH, August 22, 2015).
- Gueguen, Gretchen. *Collecting in the Moment*. Rare Book and Manuscripts Section, ALA Pre-conference (Minneapolis, MN, June 24, 2013).
- Glendon, Ivey, and Gretchen Gueguen. *Evaluating PREMIS in an Academic Research Library*. Association of College and Research Libraries conference. (Indianapolis, IN, April 13, 2013).
- Gueguen, Gretchen. *Do Digital Archivists Dream of Electronic Records?* Scholar's Lab Speaker Series. (Charlottesville, VA, February 13, 2013).
- Gueguen, Gretchen. *The AIMS Framework Approach to Born-Digital Archives at UVa*. Mid-Atlantic Regional Archives Conference (MARAC) 2012 Spring Conference (Cape May, NJ, April 13, 2012).
- Matienzo, Mark, Gretchen Gueguen, Simon Wilson, and Peter Chan. *Born-Digital Archives in Collecting Repositories: Turning Challenges into Byte-Size Opportunities*. Society of American Archivists (SAA) 2011 Annual Meeting (Chicago, IL, August 27, 2011).